

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application	10/791,140
				Filing Date	March 2, 2004
				First Named	Ge Wang
				Art Unit	3737
				Examiner Name	P. Luong
Sheet	1	of	8	Attorney Docket Number	21087.0026U2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. (Only abstract is enclosed).	T <sup>2</sup>
	A	Andersen, A. H. and Kak A. C., "Simultaneous algebraic reconstruction technique (SART): a superior implementation of the ART algorithm," Ultrason. Imaging, 1984, pp. 81-94, Vol. 6. (Only abstract is enclosed).	
	B	Blouke, M. M., et al., "Large area CCD image sensors for scientific applications," Proc S.P.I.E Conf., 1985, pp. 82-88. (Only abstract is enclosed).	
	C	Browne, J. and de Pierro A. B., "A row-action alternative to the EM algorithm for maximizing likelihoods in emission tomography," IEEE Trans. on Med. Imaging, 1996, pp. 687-699, Vol. 15.	
	D	Dennis, J. B., "Non-linear least squares and equations," The state of the art in numerical analysis: proceedings of the Conference on the State of the Art in Numerical Analysis, D. A. H. Jacobs (Ed.), Academic Press: London, 1977, pp. 269-312.	
	E	Everhart, J., et al., "Image segmentation applied to CT examination of lymphangiomyomatosis (LAM)," Proc. SPIE Conf. Med. Imaging, Newport Beach, CA., 1994, pp. 87-95, Vol. 2167.	
	F	Francis, K. P., et al., "Monitoring bioluminescent Staphylococcus aureus infections in living mice using a novel luxABCDE construct," Infect. Immune., 2000, pp. 3594-3600, Vol. 68.	
	G	Gaudette, R., "Constrained Reconstruction Techniques for Diffuse Optical Tomography," Massachusetts General Hospital. Charlestown, MA, Harvard University, 2000.	
	H	Hoffman, E. A. and Ritman E. L., "Constancy of total heart volume throughout cardiac cycle and role of lung inflation: A computer tomographic measurement with DSR," Federation Proceedings, 1994, pp. 509, Vol. 43(3).	
	I	Hoffman, E. A. and Ritman E. L., "Effect of body orientation on regional lung expansion in dog and sloth," J. Appl. Physiol., 1985, pp. 481-491, Vol. 59(2).	
	J	Hoffman, E. A. and Hoford J. D., "Tool box-based cardiac volumes: Visualization and quantitation by computed tomography," Am. J. Card. Imaging, 1993, pp. 164-178, Vol. 7. (Only abstract is enclosed).	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application	10/791,140
				Filing Date	March 2, 2004
				First Named	Ge Wang
				Art Unit	3737
				Examiner Name	P. Luong
Sheet	2	of	8	Attorney Docket Number	21087.0026U2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	K	Hoffman, E. A., et al., "Regional pleural surface expansile forces in intact dogs by wick catheters," J. Appl. Physiol., 1983, pp.1523-1519, Vol. 55(5).	
	L	Hoffman, E. A. and Ritman E. L., "Shape and dimensions of cardiac chambers: Importance of CT section thickness and orientation," Radiol., 1985, pp. 739-744, Vol. 155(3).	
	M	Hoffman, E. A. and McLennan G., "Assessment of the pulmonary structure-function relationship and clinical outcomes measures: Quantitative volumetric CT of the lung," Acad. Radiol., 1997, pp. 758-776, Vol. 4.	
	N	Hoffman, E. A., et al., "Matching Pulmonary Structure and Perfusion via Combined Dynamic Multislice CT and Thin-Slice High Resolution CT," Comput. Med. Imaging Graph., 1995, pp. 101-112, Vol. 19(1).	
	O	Hoffman, E. A., et al., "Noninvasive quantitative imaging of shape and volume of lungs," J. Appl. Physiol.: Respirat. Environ. Exercise Physiol., 1983, pp. 1414-1421, Vol. 54(5).	
	P	Hoffman, E. A., "Effect of body orientation on regional lung expansion: A computed tomographic approach," J. Appl. Physiol., 1985, pp. 468-480, Vol. 59(2).	
	Q	Hudson, H. M. and Larkin R. S., "Accelerated image reconstruction using ordered subsets of projection data," IEEE Trans. on Med. Imaging, 1994, pp. 601-609, Vol. 13.	
	R	Iwasaki, T., et al., "Mass of left ventricular myocardium estimated with dynamic spatial reconstructor," Am. J. Physiol., 1984, pp. 1138-1142, Vol. 246(1 Pt 2).	
	S	Jiang, M. and Wang G., "Block-Iterative Algorithms for Image Reconstruction," Mathematical Software, Proceedings of the First International Congress of Mathematical Software, Beijing, China, World Scientific, 2002, pp. 51-60.	
	T	Joyeaux, A., et al., "Engineered cell lines as a tool for monitoring biological activity of hormone analogs," Anal. Biochem., 1997, pp. 119-130, Vol. 249.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application	10/791,140
				Filing Date	March 2, 2004
				First Named	Ge Wang
				Art Unit	3737
				Examiner Name	P. Luong
Sheet	3	of	8	Attorney Docket Number	21087.0026U2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	U	Liu, Y., et al., "Accuracy of pulmonary vascular dimensions estimated with the Dynamic Spatial Reconstructor," Am. J. Physiol. Imaging, 1986, pp. 201-207, Vol. 1. (Only abstract is enclosed).	
	V	Liu, Y., et al., "Measurement of Three-Dimensional anatomy and Function of pulmonary arteries with high-speed x-ray computed tomography," Invest. Radiol., 1987, pp. 28-36, Vol. 22.	
	W	Margulies, S. S., et al., "Geometry and Kinematics of Dog Ribs," J. Appl. Physiol., 1989, pp. 707-712, Vol. 67(2).	
	X	McNamara, A. E., et al., "Airway narrowing in excised canine lungs measured by high-resolution computed tomography," J. Appl. Physiol., 1992, pp. 307-316, Vol. 73(1).	
	Y	Olson, L. E. and Hoffman E. A., "Heart-lung interactions determined by electron beam X-ray CT in laterally recumbent rabbits," J. Appl. Physiol., 1995, pp. 417-427, Vol. 78(2).	
	Z	Olson, L. E. and Hoffman E. A., "Lung Volumes and Distribution of Regional Air Content Determined by Cine X-ray CT of Pneumonectomized Rabbits," J. Appl. Physiol., 1994, pp. 1774-1785, Vol. 76(4).	
	AA	Park, W., et al., "Segmentation of Intrathoracic Airway Trees: A Fuzzy Logic Approach," IEEE Trans. on Med. Imaging, 1998, pp. 489-497, Vol. 17.	
	AB	Ray, P., et al., "Optical bioluminescence and positron emission tomography imaging of a novel fusion reporter gene in tumor xenografts of living mice," Cancer Res., 2003, pp. 1160-1165, Vol. 63(6).	
	AC	Reinhardt, J. M., et al., "Accurate measurement of intra-thoracic airways," IEEE Trans. on Med. Imaging, 1997, pp. 820-827, Vol. 16(6).	
	AD	Robb, R. A., et al., "High-speed three-dimensional, x-ray Computed Tomography: The Dynamic Spatial Reconstructor" Proceed. of the IEEE, 1983, pp. 308-319, Vol. 71(3).	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application	10/791,140
				Filing Date	March 2, 2004
				First Named	Ge Wang
				Art Unit	3737
				Examiner Name	P. Luong
Sheet	4	of	8	Attorney Docket Number	21087.0026U2

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	AE	Schaller, S., et al., "An efficient Fourier method for 3-D radon inversion in exact cone-beam CT reconstruction," IEEE Trans. Med. Imaging, 1998, pp. 244-250, Vol. 17(2).		
	AF	Schwab, R. J., et al., "Dynamic imaging of the upper airway during respiration in normal subjects," J. Appl. Physiol., 1993, pp. 1504-1514, Vol. 74(4).		
	AG	Sinak, L. J., et al., "Subtraction gated computed tomography with the dynamic spatial reconstructor: simultaneous evaluation of left and right heart from single right-sided bolus contrast medium injection," J. Comput. Assist. Tomogr., 1984, pp. 1-9, Vol. 8(1).		
	AH	Smith, J. J., et al. "Cystic fibrosis airway epithelia fail to kill bacteria because of abnormal airway surface fluid," Cell., 1996, pp. 229-236, Vol. 85.		
	AI	Snyder, D. L., et al., "Deblurring subject to nonnegativity constraints," IEEE Trans. on Signal Processing, 1992, pp. 1143-1150, Vol 40.		
	AJ	Sonka, M., et al., "Knowledge-Based Segmentation of Intrathoracic Airways from Multidimensional High Resolution CT Images," SPIE Physiology and Function from Multidimensional Images, 1994, pp. 73-85, Vol. 2168.		
	AK	Sonka, M., et al., "Rule-Based Detection of Intrathoracic Airway Trees," IEEE Trans. on Med. Imaging, 1996, pp. 314-326, Vol. 15(3).		
	AL	Travis, S. M., et al., "Activity of abundant antimicrobials of the human airway," Am. J. Respir. Cell. Mol. Biol., 1999, pp. 872-879, Vol. 20.		
	AM	Uppaluri, R., et al., "Computer recognition of regional lung disease patterns," Am. J. Respir. Crit. Care Med., 1999, pp. 648-654, Vol. 160(2).		
	AN	Uppaluri, R., et al., "Quantification of Pulmonary Emphysema from Lung Computed Tomography Images," Am. J. Respir. Crit. Care Med., 1997, pp. 248-254, Vol. 156(1).		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application	10/791,140
				Filing Date	March 2, 2004
				First Named	Ge Wang
				Art Unit	3737
				Examiner Name	P. Luong
Sheet	5	of	8	Attorney Docket Number	21087.0026U2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AO	Wang, G., et al., "Theoretical FWTM values in helical CT," Med. Phys., 1994, pp. 753-754, Vol. 21.	
	AP	Wang, G., et al., "Digital X-ray stereophotogrammetry for cochlear implantation," IEEE Trans. on Biomedical Engineering, 2000, pp. 1120-1130, Vol. 47.	
	AQ	Wang, G. and Vannier M. W., "Helical CT image noise - Analytical results," Med. Phys., 1993, pp. 1635-1640, Vol. 20.	
	AR	Wang, G. and Vannier M. W., "Longitudinal resolution in volumetric X-ray computed tomography - Analytical comparison between conventional and helical computed tomography," Med. Phys., 1994, pp. 429-433, Vol. 21.	
	AS	Wang, G. and Vannier M. W., "Low-contrast resolution in volumetric X-ray CT - Analytical comparison between conventional and spiral CT," Med. Phys., 1997, pp. 373-376, Vol. 24.	
	AT	Wang, G. and Vannier M. W., "Maximum volume coverage in spiral computed tomography," Acad. Radiol., 1996, pp. 423-428, Vol. 3.	
	AU	Wang, G. and Vannier M. W., "Optimal pitch in spiral computed tomography," Med. Phys., 1997, pp. 1635-1639, Vol. 24.	
	AV	Wang, G. and Vannier M. W., "Preliminary Study on helical CT algorithms for patient motion estimation and compensation," IEEE Trans. on Med. Imaging, 1995, pp. 205-211, Vol. 14.	
	AW	Wang, G. and Vannier M. W., "Spatial variation of section sensitivity profile in spinal computed tomography," Med. Phys., 1994, pp. 1491-1497, Vol. 21.	
	AX	Wang, G. and Vannier M. W., "Stair-step artifacts in three-dimensional helical CT: An experimental study," Radiol., 1994, pp. 79-83, Vol. 191.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application	10/791,140
				Filing Date	March 2, 2004
				First Named	Ge Wang
				Art Unit	3737
				Examiner Name	P. Luong
Sheet	6	of	8	Attorney Docket Number	21087.0026U2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AY	Wang, G., et al., "Iterative X-ray cone-beam tomography for metal artifact reduction and local region reconstruction," Microscopy and Microanalysis, 1999, pp. 58-65, Vol. 5.	
	AZ	Wang, G., et al., "Spiral CT image deblurring for cochlear implantation," IEEE Trans. on Med. Imag., 1998, pp. 251-262, Vol. 17.	
	BA	Wang, G., et al., "Unwrapping cochlear implants by spiral CT," IEEE Trans. on Biomedical Engineering, 1996, pp. 891-900, Vol. 43.	
	BB	Wang, G. and Vannier M. W., "The effect of pitch in multislice spiral/helical CT," Med. Phys., 1999, pp. 2648-2653, Vol. 26.	
	BC	Wang, G., et al., "Development of retroviral vectors for gene transfer to airway epithelia," Curr. Opin. Mol. Ther., 2000, pp. 497-506, Vol. 2(5).	
	BD	Wang, G., et al., "A knowledge-based cone-beam X-ray CT algorithm for dynamic volumetric cardiac imaging," Med. Phys., 2002, pp. 1807-1822, Vol. 29(8).	
	BE	Wang, G., et al., "An iterative algorithm for X-ray CT fluoroscopy," IEEE Trans. Med. Imaging, 1998, pp. 853-856, Vol. 17(5).	
	BF	Wang, G., et al., "A derivative-free noncircular fan-beam reconstruction formula," IEEE Trans. on Image Processing, 1993, pp. 543-547, Vol. 2.	
	BG	Wang, G., et al., "Cone-beam reconstruction of plate-like specimens," Scanning, 1992, pp. 350-354, Vol. 14.	
	BH	Wang, G., et al., "Point spread function of the general cone-beam X-ray reconstruction formula," Scanning, 1992, pp. 187-193, Vol. 14.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08b (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application	10/791,140
				Filing Date	March 2, 2004
				First Named	Ge Wang
				Art Unit	3737
				Examiner Name	P. Luong
Sheet	7	of	8	Attorney Docket Number	21087.0026U2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BI	Wang, G., et al., "Feline immunodeficiency virus vectors persistently transduce nondividing airway epithelia and correct the cystic fibrosis defect," J. Clin. Invest., 1999, pp. R49-R56, Vol. 104.	
	BJ	Wang, G. and Han W., "Minimum error bound of signal reconstruction," IEEE Signal Processing Letters, 1999, pp. 309-311, Vol. 6.	
	BK	Wang, G. and Li Y., "Axiomatic approach for quantification of image resolution," IEEE Signal Processing Letters, 1999, pp. 257-258, Vol. 6.	
	BL	Wang, G., et al., "Half-scan cone-beam X-ray microtomography formula," Scanning, 1994, pp. 216-220, Vol. 16.	
	BM	Wang, G., "X-ray micro-CT with a displaced detector array," Med. Phys., 2002, pp. 1634-1636, Vol. 29.	
	BN	Wei, J. H., et al., "Cardiogenic motion of right lung parenchyma in anesthetized intact dogs," J. Appl. Physiol., 1985, pp. 384-391, Vol. 58(2).	
	BO	Welsh, M. J., et al., "Cystic Fibrosis," The Metabolic and Molecular Basis of Inherited Disease, C. R. Scriver, A. L. Beaudet, W. S. Sly and D. Valle (eds.), New York, McGraw-Hill, 1995, pp. 3799-3855, Vol. 3.	
	BP	Welsh, S. and Kay S. A., "Reporter gene expression for monitoring gene transfer," Curr. Opin. Biotechnol., 1997, pp. 617-622, Vol. 8.	
	BQ	Wilson, T. A., et al., "Geometry and respiratory displacement of human ribs," J. Appl. Physiol., 1987, pp. 1872-1877, Vol. 62.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08b (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application	10/791,140
				Filing Date	March 2, 2004
				First Named	Ge Wang
				Art Unit	3737
				Examiner Name	P. Luong
Sheet	8	of	8	Attorney Docket Number	21087.0026U2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	BR	Jiang, M. and Wang G., "Convergence of the Simultaneous Algebraic Reconstruction Technique (SART)," IEEE Trans. Image Process., 2003, pp. 957-961, Vol. 12(8).	
	BS	Jiang, M., et al., "Blind deblurring for spiral CT images," IEEE Trans. Med. Imaging, 2003, pp. 837-845, Vol. 22(7).	
	BT	Grangeat, P., "Mathematical framework of cone beam 3D reconstruction via the first derivative of the Radon transform," Mathematical Methods in Tomography, Lecture notes in Mathematics, Proceedings, Oberwolfach 1990, Springer-Verlag, 1991, pp. 66-94.	

Examiner Signature	/Peter Luong/	Date Considered	08/30/2011
-----------------------	---------------	--------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.